

PATENT
ATTORNEY DOCKET NO.: UCI1120-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Chandy et al. Art Unit: Not Yet Assigned
Parent Serial No. 09/565,590 Examiner: Not Yet Assigned
Parent Filing Date May 4, 2000
Serial No.: Not Yet Assigned
Filed: November 24, 2003
Title: hKCa3/KCNN3 SMALL CONDUCTANCE CALCIUM ACTIVATED POTASSIUM CHANNEL: A DIAGNOSTIC MARKER AND THERAPEUTIC TARGET

Mail Stop PATENT APPLICATION

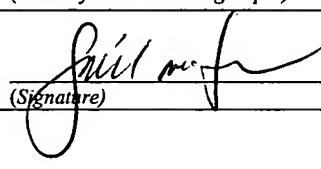
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 09/565,590, filed May 4, 2000, which is relied upon for an earlier filing date under 35 USC § 120. For the convenience of the Examiner, copies of the PTO Forms 892 and 1449 are enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.10 "EXPRESS MAIL" Mailing Label Number: <u>EV 318 740 076 US</u> Date of Deposit: <u>November 24, 2003</u>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
SAUL SOLANO (Name of Person Mailing Paper)	
	November 24, 2003 (Date)

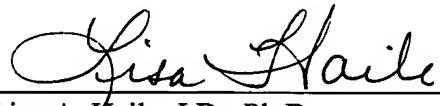
In re Application of:
Chandy et al.
Application No.: Not Yet Assigned
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PATENT
Attorney Docket No.: UCI1120-4

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the receipt of a first office action on the merits of the above-captioned application. However, if any fee is required, authorization is hereby given to charge any fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: November 24, 2003


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4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133

SUBSTITUTE FORM PTO-1449
(MODIFIED)DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET
07306/0140CSERIAL NO.
09/115,446INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT:
K. George Chandy et al.FILING DATE
July 14, 1998

GROUP

(37 CFR 1.98(b))

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5590/5590
REBILING STATE
IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	REBILING STATE IF APPROPRIATE
	AA						
	AB						
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AK	AQ	Georges Imbert, Cloning of the gene for spinocerebellar ataxia 2 reveals a locus with high sensitivity to expanded CAG/glutamine repeats, November 1996, Nature Genetics volume 14 no.3., pp. 285-291.
	AR	M. Kohler, Small-Conductance, Calcium-Activated Potassium Channels from Mammalian Brain, September 1996, Science, volume 273 pp. 1625-1764.
AS		William J. Joiner, hSK4, a member of a novel subfamily of calcium-activated potassium channels, September 1997, Neurobiology, volume 94 pp. 11013-11018.

EXAMINER

Anu Kr. Chakrabarti

DATE CONSIDERED

8/1/00

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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							YES	NO
	AL							
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	AO							
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OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AC	AQ	Takahiro M. Ishii, A human intermediate conductance calcium-activated potassium channel, October 1997, Neurobiology, volume 94 pp. 11651-11656.
AC	AR	Gillian P. Bates, Transgenic mouse models of neurodegenerative disease caused by CAG/polyglutamine expansions, November 1997, Molecular Medicine Today.
AC	AS	P Sanjeeva Reddy, The complex pathology of trinucleotide repeats, Nucleus and gene expression, pp. 364-372.

EXAMINER Anu Kr. Chakrabarti DATE CONSIDERED 8/1/00

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	AL							
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	AO							
	AP							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AC	AQ	T Bowen, Further support for an association between a polymorphic CAG repeat in the hKCa3 gene and schizophrenia, 1998, Molecular Psychiatry.
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	AS	

EXAMINER Anurak Chakrabarti DATE CONSIDERED 8/1/00

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	AO							
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OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

<i>HC</i>	AQ	KOHLER et al., Small Conductance, Calcium-Activated Potassium Channels from Mammalian Brain. Science. 9/20/96, Vol. 273, pages 1709-1714, especially figures 1A and 1C on page 1710	
	AR		
	AS		

EXAMINER *Annu kr. Chakrabarti* DATE CONSIDERED *8/1/00*

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Notice of References Cited			<i>Application No.</i> 09/565,590	<i>Applicant(s)</i> Chandy et al.		
			Examiner Arun Chakrabarti	Group Art Unit 1655	Page 1 of 1	
U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME		CLASS	SUBCLASS
A	5,776,734	7/1998	Kaczorowski et al.		435	69.1
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NON-PATENT DOCUMENTS						
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
U	<i>Imbert et al., "Cloning of the gene for the Spinocerebellar, Nature Genetics, Vol. 14, pages 258-291.</i>					11/1996
V						
W						
X						

<i>Notice of References Cited</i>		Application No. 09/115,446	Applicant(s) Chandy et al.
		Examiner Arun Chakrabarti	Group Art Unit 1655

U.S. PATENT DOCUMENTS

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	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N	WO 98/11139	3/19/98	PCT	Adelman et al.	435	69.1
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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U	Imbert et al., "Cloning of the gene for spinocerebellar ataxia 2 reveals a locus with high sensitivity to expanded CAG/glutamine repeats", Nature Genetics, Vol. 14, pages 285-291.	11/96
V	Stratagene catalog, page 39	1988
W		
X		

Notice of References Cited	<i>Applicant/Patent</i> Chandy et al.	<i>Application/Control No.</i> 09/565,590
	<i>Examiner</i> Arun Chakrabarti	<i>Art Unit</i> 1655 <i>Page 1 of 1</i>

U.S. PATENT DOCUMENTS

	Document Number <i>Country Code-Number-Kind Code</i>	Date <i>MM-YYYY</i>	Name	Classification ²	
A	5,637,470	6/1997	Kaczorowski	435	7.21
B					
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FOREIGN PATENT DOCUMENTS

	Document Number <i>Country Code-Number-Kind Code</i>	Date <i>MM-YYYY</i>	Country	Name	Classification ²	
N	WO 98/11139	3/1998	PCT	Adelman et al	435	69.1
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	Imbert et al., "Cloning of the gene for spinocerebellar ataxia 2 reveals a locus with high sensitivity to expanded CAG/glutamine repeats", <i>Nature Genetics</i> , (1996), Vol. 14, pages 285-291.
V	
W	
X	

¹ A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

¹ Dates in MM-YYYY format are publication dates.

² Classifications may be U.S. or foreign.